

ABSTRACT

Feeder for Small Parts

A device for feeding small parts to a conveying mechanism (9) is comprised of a reservoir (2) that is designed to accommodate a relatively large number of small parts and that has a bottom (3) with an elongated bottom recess (4), a slide (5) arranged in the bottom recess, which slide has an upper essentially horizontal feeder trough (7) for accommodating small parts, and an actuator (6) for achieving a relative motion between the reservoir (2) and the slide (5) such that the slide (5) can be moved relative to the reservoir (2) to a first position in which the bottom surface of the reservoir (2) and the feeder trough (7) are adjacent, and can be moved to a second position in which the feeder trough (7) is raised a specific distance above the bottom surface. The actuator can move the feeder trough (7) from the second position into an inclined third position in which the trough has an inclination to the horizontal that causes the feeding of the small parts.

Fig. 1